

## **DECLARATION OF PERFORMANCE** No. PM/SEDM/02/24/1

1.	Unique identification code of the product-type	SEDM
2.	Products	Smoke control dampers
	Intended use	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions
	Technical documentation  – product information, instruction for installation and maintenance, safety information	Technical specifications TPM 156/22
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 26718405, tel. +420 311 706 706 mandik@mandik.cz, www.mandik.com
5.	System of AVCP	System 1
6.	Harmonised standard	BS EN 12101-8:2011
	UK Approved Body	UK Approved Body No. 2822 Efectis UK/Ireland Limited, Shore Road, Jordanstown, BT37 0 QB, United Kingdom
	Output documents of the UK Approved Body	2822-UKCA-CPR-0144

a. Declared performances – fire resistance classification Essential characteristics in accordance with BS EN 12101-8:2011, art. 4.1.1					
Fire separating construction, location of the damper	Installation type, installation system	Performance  – class of fire resistance			
Horizontal or vertical smoke extraction duct – into/onto the duct	Connection to single or multi compartment smoke extraction ducts tested acc. to EN 1366-8 or EN 1366-9 <sup>1</sup> ]	EI 120 (hod i↔o) S1000CmodHOT 400/30MAmulti EI 120 (ved i↔o) S1000CmodHOT 400/30MAmulti			
Solid wall construction  - damper in the wall  - 100 mm min. wall thickness	Fire batt/Ablative coated batt <sup>1],2]</sup>	EI 120 (vew i↔o) S1500CmodHOT 400/30MAmulti			
Gypsum plasterboard wall construction  – damper in the wall  – 100 mm min. wall thickness	Fire batt/Ablative coated batt <sup>1],2]</sup>	El 120 (vew i↔o) S1500CmodHOT 400/30MAmulti			
Solid ceiling construction  – damper in the ceiling  – 150 mm min. ceiling thick.	Fire batt/Ablative coated batt 1]	El 120 (h₀w i↔o) S1500CmodHOT 400/30AAmulti			

<sup>1]</sup> Refer to <u>Technical documentation</u> for the details of the installation type / installation system.
2] Including assembly of dampers - side by side

7b. <b>Declared performances – other e</b>	· ·					
Essential characteristics in accorda	Essential characteristics in accordance with BS EN 12101-8:2011, art. 4.1.1					
Essential characteristics	Requirements	Performance (lever or class) / Compliance				
	(provisions of	with the requirements				
	harmonised					
	standard					
	BS EN 12101-					
	8:2011)					
Nominal activation conditions/sensitivity	4.2.1.3	Conforms				
Response delay (response time)	4.2.1.4	Conforms				
Operational reliability	4.3.2.2	C 10 000 – conforms				
		Cmod – conforms				
Fire resistance – integrity (E)	4.1.1 a)	E – conforms				
Fire resistance – insulation (EI)	4.1.1 b)	EI – conforms				
Fire resistance – smoke leakage (ES)	4.1.1 c)	EIS – conforms				
Fire resistance	4.1.1 d)	Conforms				
<ul><li>mechanical stability (under E)</li></ul>						
Fire resistance	4.1.1 e)	Conforms				
<ul> <li>maintenance of cross section (under E)</li> </ul>						
Fire resistance	4.1.1 f)	HOT 400/30 – conforms				
<ul> <li>high operational temperature</li> </ul>						
Durability – of response delay	4.3.2.1	Conforms				
Durability – of operational reliability	4.3.2.2	Damper with control mechanisms:				
		- Belimo actuators (BEN/BEE/BE): C <sub>mod</sub>				
		- Schischek actuators (InMax-50.75S): C <sub>mod</sub>				
		- Belimo actuators (BEN/BEE/BE) connected				
		with MDC(P)M <sup>3]</sup> control modules: C <sub>mod</sub>				
		- Schischek actuators (InMax-50.75S) connected				
		with MDC(P)M <sup>3]</sup> control modules: C <sub>mod</sub>				

<sup>&</sup>lt;sup>3]</sup> The control modules shall be installed in a separate Ca-Si housing, according to <u>Technical documentation</u>.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Construction Products Regulation in Great Britain and Northern Ireland, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2024-06-26

Mgr. Jan Mičan CEO, Ppa MANDÍK, a.s.

Declared performances – other characteristics						
Characteristics	Technical standard	Performance (lever or class) / Compliance with the requirements				
Damper blade tightness	BS EN 1751:2014	Class 2				
Damper casing tightness	BS EN 1751:2014	Class C				